

Instruction Bulletin

NQ Panelboard 6-, 12-, 18-, and 24-inch Trim and Rail Extension Kit

Class 1640

Introduction

Retain for future use.

This bulletin contains instructions for installing a Square D® brand 6-, 12-, 18-, or 24-inch trim and rail extension kit onto a Square D brand NQ panelboard manufactured by Schneider Electric.

Safety Precautions

⚠ DANGER

HAZARD OF ELECTRIC SHOCK, EXPLOSION, OR ARC FLASH

- Apply appropriate personal protective equipment (PPE) and follow safe electrical work practices. See NFPA 70E.
- This equipment must only be installed and serviced by qualified electrical personnel.
- Turn off all power supplying this equipment before working on or inside equipment.
- Always use a properly rated voltage sensing device to confirm power is off.
- Replace all devices, doors and covers before turning on power to this equipment.

Failure to follow these instructions will result in death or serious injury.

Kit Contents

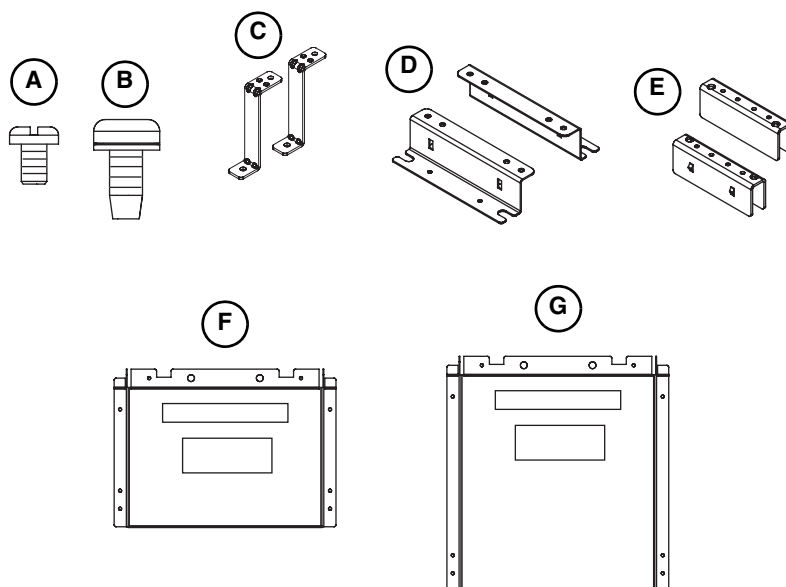
NQ6RDE, NQ12RDE, NQ18RDE,
and NQ24RDE

- A. 10-32 x 5/16-inch tapping screws (10)
- B. 10-32 x 7/16-inch tapping screws (2)
- C. Deadfront support brackets (2)
- D. Rail extensions (2)

NOTE: 6-inch extensions shown.

- E. Rail splices (2)
- F. 100 / 225 A main lug cover (1)
- G. 400 / 600 A main lug cover (1)

NOTE: Screws enlarged to show detail.



Tool Needed

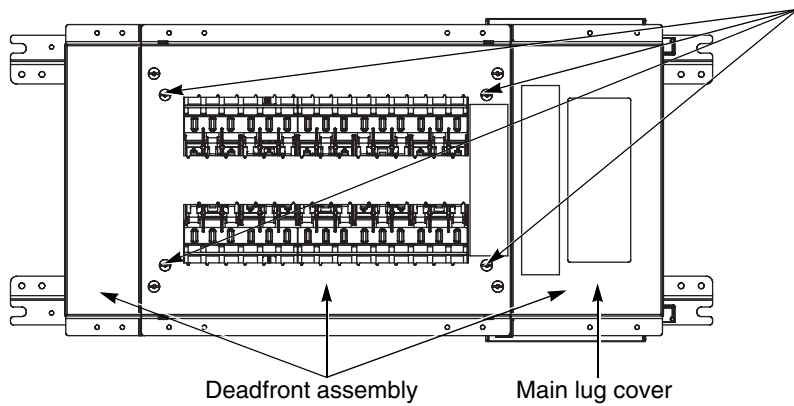


#2 Square-head Robertson driver

Installing the NQ Panelboard Trim and Rail Extension Kit

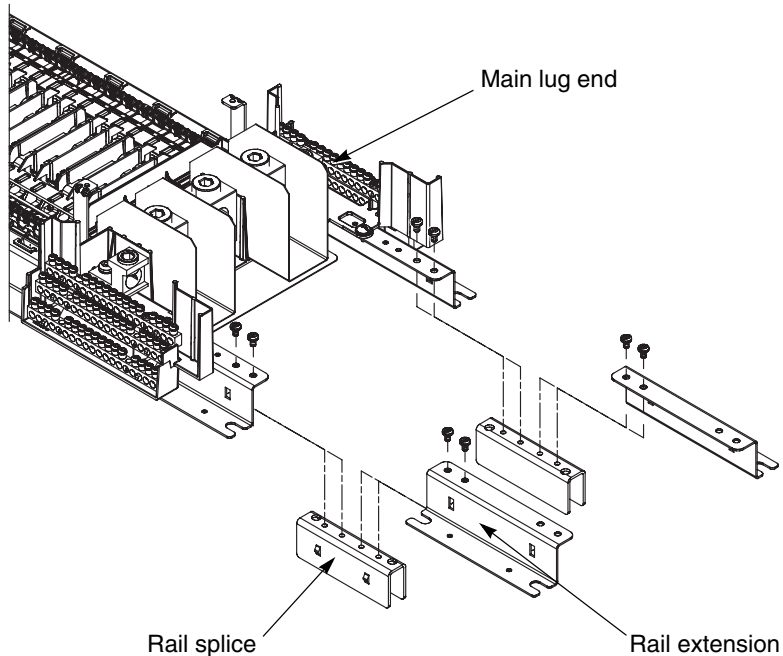


Turn off all power supplying this equipment before working inside the panelboard; follow all lockout/tagout procedures.



- 1 Remove the deadfront assembly. Retain the four screws for reuse.

- 2 Install the rail extensions to the main lug end of the existing mounting rail using rail splices and eight 10-32 x 5/16-inch tapping screws included in the kit.



- 3** Install the deadfront support brackets supplied with the kit (with the top of the brackets pointing to the panelboard) onto the proper rail extension hole using two 10-32 x 5/16-inch screws included in the kit, as detailed in Table 1.

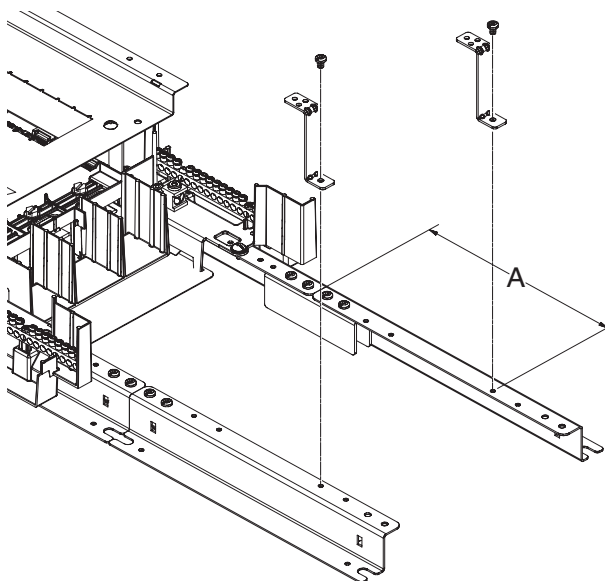
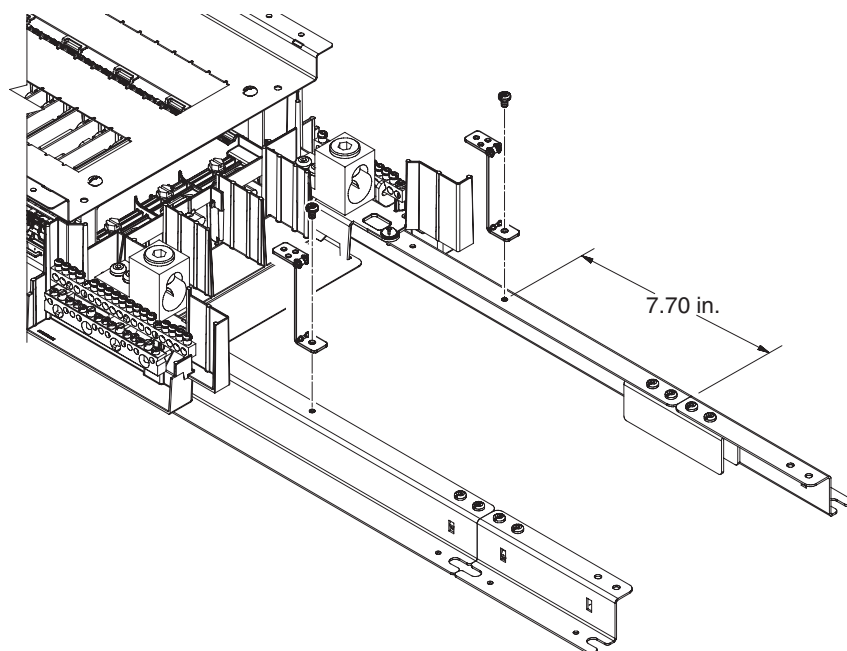
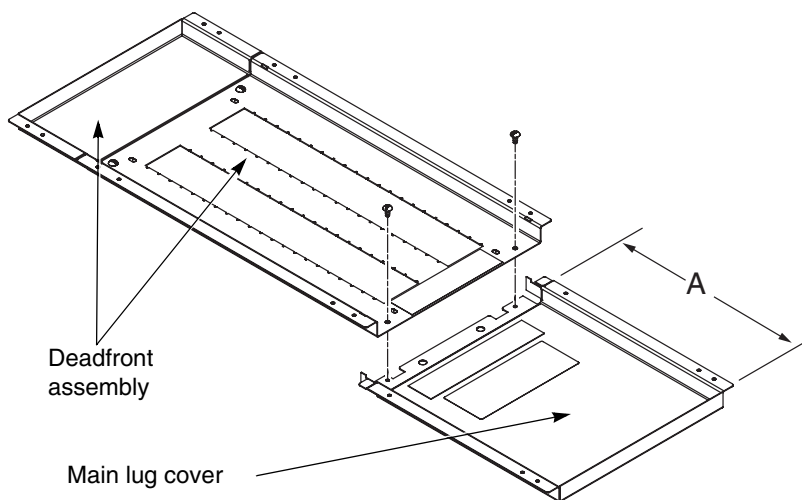


Table 1: Mounting Bracket Position on Rail Extensions

Rail Length	Amps	Dimension A
6-Inch	100 / 225	Discard brackets, not required
	400 / 600	See step 4
12-Inch	100 / 225	8.41 in. (213.5 mm)
	400 / 600	2.41 in. (61.2 mm)
18-Inch	100 / 225	15.61 in. (396.5 mm)
	400 / 600	6.71 in. (170.4 mm)
24-Inch	100 / 225	13.51 in. (343.2 mm)
	400 / 600	10.49 in. (266.4 mm)

- 4** When installing the 6" rail extension in 400 and 600 A panelboards, the deadfront support bracket is installed onto the existing mounting rail, using two 10-32 x 5/16-inch screws included in the kit.





- 5** Remove the existing main lug cover (see step 1) and discard, but retain the two screws. Mount the appropriate amperage main lug cover included in the kit using the two retained screws.

Refer to Table 2 for main lug cover selection.

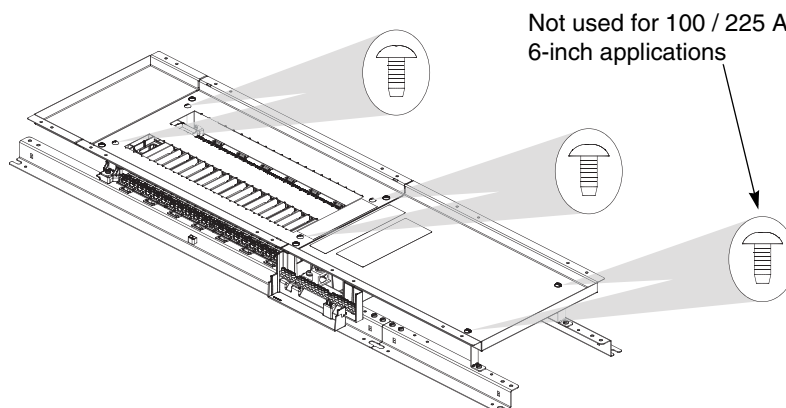
Table 2: Main Lug Cover Selection

Kit Catalog Number	Amps	Cover Length Dimension A
NQ6RDE	100 / 225	13.08 in. (332.23 mm)
	400 / 600	14.58 in. (370.33 mm)
NQ12RDE	100 / 225	19.05 in. (483.87 mm)
	400 / 600	20.58 in. (522.73 mm)
NQ18RDE	100 / 225	25.05 in. (636.27 mm)
	400 / 600	26.58 in. (675.13 mm)
NQ24RDE	100 / 225	31.08 in. (789.43 mm)
	400 / 600	32.58 in. (827.53 mm)

- 6** Remount the deadfront assembly using the screws retained from step 1, and the two 10-32 x 7/16-inch screws included in the kit.

NOTE: For the 6-inch trim and rail extension kit (NQ6RDE) discard the two screws included in the kit for 100 A and 225 A applications.

NOTE: 12-inch extension shown.



For technical support on the installation of this kit, contact the Square D/Schneider Electric Customer Information Center at 1-888-SquareD (1-888-778-2733).

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